



The Cow and the Men.

Hoard's Dairyman tells of two men who took a cow census. In Pennsylvania twenty-five farmers who were patrons of creameries averaged a net profit of \$15.06 per year for each cow while twenty-five more made a profit of 65 cents per cow. In Indiana the best six out of fifty averaged \$21.00 per cow per year. It is fair to assume that these best cows were worth from \$45 to \$60. Consequently it appears that it takes a good cow to pay an annual profit equal to one-third of her value.

Wallace's Farmer has given through its columns the records of farmers' flocks of grade chickens that paid a clear profit of a dollar per hen. If put up at public sale many of these chickens would have sold from \$3.00 to \$6.00 per dozen. It would seem that the average hen, under average conditions, will give a profit of twice her value, where the average cow, under average conditions, will pay a profit of about one-third her value. When we consider the difference in the amount of money invested we wonder that farmers are so slow in giving the hen her due.

Composition of Milk.

Milk is made up of water and solids, the latter varying from eleven to sixteen per cent and averaging about thirteen per cent. The solids are again divided into fat and solids not fat. The solids not fat dissolved in water make a thin syrup or serum. Fat will not dissolve in water. In milk it is found in the form of microscopic globules, which vary in size from 1-2,000 to 1-40,000 of an inch in diameter. The globules in the milk of Jerseys and Guernseys are larger than those of Shorthorns and Holsteins. As the milking period of a cow increases they become smaller and much more numerous. If a drop of milk freshly drawn from the udder is viewed under a microscope the globules will appear evenly distributed over the field. After the milk has stood a while they will group themselves in little bunches. If they are at the right temperature to be sticky, they will run together when agitated and may become visible to the naked eye as butter granules. This is the explanation of what takes place in churning.—Denver Field and Farm.

Last Milk the Best.

The last milk drawn from a cow is much richer than the first. The last quart usually contains more than three times as much butter fat as the first.

Dairy Notes.

Milk of different temperatures should not be mixed.

With cows long in milk the butter will come slow.

Butter should be exposed as little as possible to the air from the time it is churned until marketed.

Care should be taken never to overwork butter as the grain and texture should be preserved.

The churn should never be filled more than half full, and then, if the temperature is just right, it will churn readily.

A good thermometer and a knowledge of its use will generally overcome the difficulty of the butter refusing to come.

When butter is worked very dry, the grains of salt left in it are not dissolved and remain in a gritty condition.

Milk should be set as soon as possible after being drawn from the cow whether shallow or deep sitting it followed.

When the churning proceeds too rapidly as a result of too high temperature, only part of the fat is solidified, and the butter is soft and greasy.

CAUGHT BY A CARICATURE.

Tweed Arrested in Spain Through One of Nast's Caricatures.

No very strenuous effort had been made to find Tweed, but it became known at last that he was somewhere in Spanish territory.

As early as Sept. 30, Nast cartooned the "Boss" as a tiger, appearing from a cave marked "Spain." Now, suddenly, came another report—a cable—that one "Twid" (Tweed) had been identified and captured at Vigo, Spain, on the charge of "kidnaping two American children."

This seemed a curious statement, for whatever may have been the boss' sins, he had not been given to child stealing. Then came further news, and the mystery was explained.

Tweed had been identified and arrested at Vigo through the cartoon "Tweed-die-dee and Tilden-dum," drawn by Thomas Nast. The "street gamins"—to the Spanish office, who did not read English—were two children being forcibly abducted by the big man of the stripes and club.

The printing on the dead wall they judged to be the story of his crime. Perhaps they could even spell out the word "reward" in an upper corner.

Absurd as it all was, the identification was flawless. Tweed, on board the steamer Franklin, came back to America to die.

When his baggage was examined it was found that he had preserved every cartoon Nast had drawn of him, save the few final ones published after his escape, one of which had placed him again behind prison bars.—Pearson's.

Bacon's Prophetic Words.

Roger Bacon (1214-94) may have foreseen the possibility of making dynamite and other powerful explosives when he wrote the following words: "A small portion of matter, about the size of the thumb, properly disposed, will make a tremendous sound and concussion, by which cities and armies might be destroyed."

Wise is the man who is able to live on his wife's relatives.

TO CURE A COLD IN ONE DAY
Take Laxative Bromo Quinine Tablets. All druggists refund the money if it fails to cure. E. W. Grove's signature is on each box. 25c.

Sensible Man.

There's a man in Chicago who says that what he likes best about his wife is his arms.

Defiance Starch is put up 16 ounces in a package, 10 cents. One-third more starch for the same money.

Made Him Crazy.

A man has recently been sent to an insane asylum at London because his mind gave way after he had tried to solve several newspaper puzzles.

Every housekeeper should know that if they will buy Defiance Cold Water Starch for laundry use they will save not only time, because it never sticks to the iron, but because each package contains 16 oz.—one full pound—while all other Cold Water Starches are put up in 8-ounce packages, and the price is the same, 10 cents. Then again because Defiance Starch is free from all injurious chemicals. If your grocer tries to sell you a 12-oz. package it is because he has a stock on hand which he wishes to dispose of before he puts in Defiance. He knows that Defiance Starch has printed on every package in large letters and figures "16 ozs." Demand Defiance and save much time and money and the annoyance of the iron sticking. Defiance never sticks.

Army Lived on Birch Trees.

During the siege of Hamburg in 1814, almost every birch tree within some miles of the town was destroyed by the Boshkirs and Cossacks, who stripped them of their bark for food, and also tapped them for their sweet sap.

Prospects of War.

Gen. Andre, late French minister of war, told the budget committee of the chamber recently that he could not reduce the number of men called to the colors. It was pointed out that last year he was not so exacting. "Last year," replied the general, "the government was certain that France would not be engaged in war for at least eighteen months. At the present time it is impossible for me to give you the same assurance."

A Three-Footed Bear.

There is at least one bear in Hancock county traveling about on three feet. Two men were out hunting where there was a bear trap set ready for the animals that made camping somewhat dangerous.

During the night the men were awakened by a growl and snarling that betrayed the presence of a great bear. They found a foot in the trap, a huge foot, too, and it is thought the animal to which it belonged would weigh over 500 pounds. The bear had gnawed off its foot in its desperate efforts to escape.—Lewiston Journal.

His Preference.

Russian—You're a yellow monkey.
Jap—Well, I'd rather be a yellow monkey than a blue one!

Best in Existence.

"I sincerely believe, all things considered, Hunt's Lightning Oil is the most useful and valuable household remedy in existence. For Cuts, Burns, Sprains and Insect Bites it has no equal so far as my experience goes."

G. E. Huntington,
Eufaula, Ala.

25c and 50c bottles.

Taught Carp Meaning of Words.

A Spanish naturalist, Dr. Ribera, has proved that fish can hear and distinguish sounds and words. Concealing himself behind a bush he taught the carp in a pond to come to the surface for food every time he spoke a certain sentence. To other words, not associated with feeding, they paid no attention.

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is so sensitive to cold as a nerve and this is the cause of

Neuralgia



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by friction and penetration warms, soothes and cures the worst cases. Price 25c. and 50c.



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Magnificent climate—farmers plowing in their shirt sleeves in the middle of November.

"All are bound to be more than pleased with the final results of the past season's harvests."—Extract. Coal, wood, water, hay in abundance. Schools, churches, markets convenient.

Apply for information to Superintendent of Immigration, Ottawa, Canada, or to authorized Canadian Government Agent—J. S. Crawford, No. 125 W. Ninth Street, Kansas City, Missouri.

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Beauty of Child's Eyes.

A child's eyes! Those clear wells of undefiled thought! What on earth can be more beautiful? Full of hope, love and curiosity, they meet your own! In prayer, how earnest; in joy, how sparkling; in sympathy, how tender!—Norton.

There are but two kinds of starch. Defiance Starch, which is the best starch made and—the rest. Other starches contain chemicals, which work harm to the clothes, rot them and cause them to break. Defiance is absolute-

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